

# THE TECH

## DAILY

VOL. XXIX. NO. 57.

BOSTON, MASS., SATURDAY, DECEMBER 4, 1909

PRICE ONE CENT

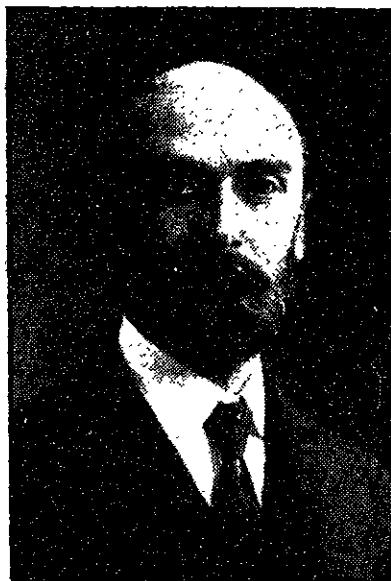
### BIG SENIOR DINNER MARKED SUCCESS

### Good Advice And Best Wishes Given By All The Speakers

It was good to be a senior last night! The spirit of good-fellowship had seized hold of every man who attended the 1910 class dinner, and it was apparent to any one that here were assembled men who had come to enjoy themselves in a manner worthy of Technology seniors.

The speeches that were made were dignified, and of more than ordinary interest. The advice given the seniors came in every case from men of experience who had given thought to their subject.

Richard F. Goodwin, the class president, introduced Dean Burton as the first speaker of the evening. Dean Burton began his speech by pointing out the difference between individual conceit and class conceit. "While conceit may ruin an individual, it is the salvation of a class. There is not much good in a class that does not believe itself the best class that ever left the Institute." The Dean's advice con-



PROF. HENRY P. TALBOT,  
Speaker at Senior Dinner.

sisted of this: "Do not neglect your reading and writing after you leave the Institute. There is no greater source of enjoyment for a man who has appreciation than the reading of good literature. Cultivate a taste for good reading, and you will derive great benefit and great pleasure therefrom. Writing too is of great importance to an engineer, and it would be advisable for all of you to develop a good style of expression in writing." In closing, Prof. Burton wished the class well, and thanked them for giving him the opportunity to speak.

Prof. Dwight Porter was the next speaker. Prof. Porter expressed his regrets at not being better acquainted with the class. This was the first senior dinner at which he has spoken although he has been teaching at the Institute for twenty-five years.

Prof. Porter's advice to the men was: "Have due regard for others! When you graduate you will find yourself working with men from other institutions. Because they are not Tech men, do not assume that their training has been inferior. While the Institute is

(Continued on page 3.)

### PARKER CENTER ON ALL-NEW ENGLAND TEAM Spalding's Basket-Ball Guide Also Shows Changes In Rules

Theodore B. Parker, 1911, center and captain of the Tech five, has been chosen as center of the All-New England team this year. The entire team, as it appears in Spalding's Official Basket-ball Guide for 1909-10 is composed of Lewis, Lambie, of Williams, forwards; Parker, M. I. T., center; Hayward, Wesleyan, Templeton, Williams, guards. That the choice was made this year with comparatively little trouble is apparent from the fact that four different judges, working independently, agreed unanimously in their selection. P. M. Wentworth 1910, guard of the Tech five, is picked as guard on the second All-New England team.

The ranking of the New England colleges, based upon the percentages of games won, is: Williams, Dartmouth, Tufts, M. I. T., Wesleyan, and Brown. The record of the Williams team is remarkable, they having won thirteen out of the fourteen games played. That Tech was the only college to defeat the Williams men certainly speaks well for the wearers of the Red and Gray. Another noticeable fact is that M. I. T. defeated the Dartmouth team on their own floor at Hanover for the first time in eight years.

Several more of less important changes have been made in the rules governing the game. The most significant of the modifications is in regard to the definition of "dribbling." This is now made to refer to the motion of the ball and not of the player. The dribble is such only as long as the ball is in motion; as soon as the ball comes to rest the player must not dribble again, but must pass the ball or throw for a goal.

"Scrimmage" is now to be understood to mean bodily contact. A foul can not be called upon a third player for simply touching the ball in a scrimmage; there must be bodily contact, of however slight force or duration.

One very important addition to the rules concerns the definition of running with the ball. A player may now advance one foot without being considered as running with the ball. He must not however, advance the other. The leap or long step common among players last year before dribbling, passing, or throwing for the basket is now absolutely forbidden.

The rule governing the calling of fouls has also been remodelled. Fouls may be called by the referee on any player, although he is expected to confine his attention particularly to the man with the ball. On the other hand, the umpire may foul only the players not in possession of the ball.

### SHOW ARTISTS MEET

At the meeting of all prospective artists in the Show office on Thursday a dozen men signified their intention of trying for the ten-dollar prize offered by the Show management for the best poster design for this year's Show. Publicity Manager H. C. Davis spoke to the men and explained the character of the poster desired. He emphasized the fact that the drawing was to illustrate the title of the play and that only two colors with black and white were to be used. The competition closes on Feb. 15 so that all men have sufficient time to draw the poster and do other work at the same time.

### COMPARISON OF B. E. WITH FOREIGN SYSTEMS

### Interesting Facts And Figures Given By Mr. Neale Last Night

Nineteen miles for a nickel! Last night after the Senior Class dinner, Mr. J. H. Neale, general auditor of the Boston Elevated, stated in his lecture that his company gives a longer ride for five cents in one direction than any other electric road in the world.

He briefly outlined the growth in transportation facilities from a horse car line between W. Cedar street and Cambridge to the latest development of the elevated system. In 1887, Henry M. Whitney consolidated the several horse car companies then existing. Shortly after he became interested in electric transportation and established the second electric car line in the United States between Allston and Park Square. When this line proved a success, he immediately plunged into what was prophesied as ruinous expense by the installation of a power house at Allston costing two and one-half million dollars. The generators in this plant developed 80 H. P. each. It would require at least four of these to operate one of the elevated trains now in use.

In 1897 the present management of the Elevated took control and commenced the erection of the system as we know it. About this time the Tremont street subway was completed and trains were temporarily allowed to use it prior to the construction of the Washington street tunnel.

The system grew very rapidly—more power houses were erected until now there are nine, valued at eight million dollars. Car barns and equipment have been constantly added and old and antiquated cars and machinery replaced. The latest surface car is the "semi-convertible" type. These seat 52 passengers and cost the company \$9,300 each. The elevated trains are now made up of either six or eight "Easy Access" cars and consume 300 H. P. The device now used makes it impossible to run by signals since it sets the automatic air brakes. Mr. Neale said that, if all the cars were lined up in a single track they would extend from Park Square to a point four miles beyond South Framingham or 26 miles in all.

The expenses and invested capital of the Boston Elevated are enormous. The present valuation is sixty-six million dollars and projected improvements will cost forty-four more. Taxes of various kinds cost \$4500 a day, coal \$3000, accidents \$3000, and several other items each amounting to thousands of dollars a day.

The personnel of the employees is also considered of great importance. Applicants are examined both as to education and physical condition and the motormen on the elevated trains receive careful individual and class instruction. Mr. Neale took occasion to relate some of the stories collected by the employees which were extremely amusing and proved that, while the company did not require it, many of its servants were equipped with a keen sense of humor.

He closed his address by short descriptions of foreign systems, illustrating them with lantern views which together with those of the local system comprise a part of Pres. Baneroff's extensive collection.

New York University has inaugurated a series of meetings to be known as faculty assemblies. The first will be in honor of newly appointed professors.

### NEW PROFESSOR IN CIVIL ENGINEERING

### Harold K. Barrows Appointed To Fill Place of Prof. W. E. Mott

The position of Associate Professor of Hydraulic Engineering made vacant by the resignation of Professor W. E. Mott, has been filled by the appointment of Harold K. Barrows, a graduate of Technology, a former professor of the University of Vermont, and a practicing hydraulic and sanitary engineer.

Mr. Barrows is a native of Massachusetts. Upon graduating in the class of '95 he served at the Institute for a year as assistant in the Civil Engineering Department. The next three years were spent in the office of the City Engineer of Newton, where he held the positions of transitman, masonry inspector and chief of party. The following two years he was designer and computer on the Metropolitan Water Board, Boston, in which capacity he did much of the designing of the Massachusetts Dam, Weston Aqueduct, and Forest Hill Reservoir and Standpipe.

In 1901 Mr. Barrows accepted the position of Assistant Professor of Civil Engineering in the University of Ver-



HAROLD K. BARROWS,  
New Professor for Course I.

mont, where he was in charge of the hydraulic courses given at that university.

In 1902 he was appointed Resident Hydrographer and the next year Assistant Engineer of the U. S. Geological Survey, in charge of stream measurements in southeastern New York, New Hampshire and Vermont. The following year he was appointed engineer of the U. S. Geological Survey in charge of hydrographic work in New England and New York which position he still holds.

For the past two or three years Mr. Barrows has carried on the practice of his profession as consulting hydraulic engineer with an office in the Beaufort building. His private practice comprises investigations, reports and construction of several water-power projects, water-works and sewage disposal plants.

The best known writings of Mr. Barrows are his contributions on Stream Measurements to the Annual Reports of the U. S. Geological Survey since 1904, his special reports on the Water Resources of the Kennebec River, the Determination of Stream Flow during (Continued on page 3.)

## THE TECH.

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Subscription \$1.50 per year in advance  
Single Copies 1 Cent.

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BOSTON, MASS., DECEMBER 4, 1909.

The Institute is to be congratulated upon the selection of Mr. Barrows as Associate Professor of Hydraulic Engineering. He is a man who brings to her not only the good results of service as a teacher in another institution, but also ample experience as a practicing hydraulic engineer.

The Juniors have a mighty good ballot to pick their Prom Committee from. Most of the nominees have shown live interest in Institute as well as in class affairs.

If you can't make a decent looking poster, get it done by some one who can do it well. One doesn't feel exactly proud of the bulletin boards around the Institute.

It is said that 1913 wants to have a good dinner no matter what the cost. The dinner is to be held down town, price one dollar. Did the dinner committee ask about the dollar menu the Union puts out? If so, what was the dissatisfaction?

## MUSICAL CLUBS.

The musical clubs held their first out-of-town concert last night at Milton. The concert was held in the Town Hall, and although the hall was not crowded the audience was extremely enthusiastic and encored each number vigorously.

The program was a splendid one, containing the best numbers of each club. The first of the ten numbers was by the Glee Club, who rendered "Tis Morn" in splendid fashion. Then came the Mandolin Club with "Yankee Dandy," a catchy selection by A. J. Weidt. The Banjo Club appeared in the third number, playing the "Rose Tree March," with the "Butterfly Waltz" for an encore. In the next number Mr. Shaw scored a great success with a 'cello solo. The fifth number was by the Glee Club, who sang "The Sword of Ferrara." This was followed by the Banjo Club playing the "Chinese-American March." Mr. Shaw played again in the seventh number, and with Mr. Sweet as a partner played a couple of 'cello duets. The next selection was "Pied Piper Selections," by the Mandolin Club; and was followed by the final selection; "Dear Old M. I. T." rendered by the combined Glee and Mandolin clubs.

## HORNET'S NEST

Work for the night had been declared off, and we all sat or lounged in various attitudes of comfort. "It seems to me," volunteered Cad, "that the faculty here stand for a whole lot." "Well, where did you get that idea?" I asked. "Perhaps you refer to Billikens' perennial presence," suggested Cupid, dodging the pillow thrown by his room-mate. "Not at all," said Cad. "What I had in mind chiefly was the article in the *Globe* and *Herald*. Just listen to this:

"The presence of mind of a single sophomore saved the lives of thousands of his fellow-students at the M. I. T. A. A. Union yesterday. While engaged in a game of checkers in the game room Mr. Ball, the intrepid secretary of the Wireless Society, heard a crackle that indicated to his acute mind that the demon of fire was at work. Leaping from his chair, he dashed to the office of the Wireless Society, only to find it dense with black smoke. Without hesitation he broke down the door and rushed into the room. Gasping for air, with the flames swirling about his head, he clung to the key and sent forth the signal that warned the students to leave the crowded rooms of the Union and to seek a safer spot.

Then, sinking to his knees, he flashed the C Q D signal, which finally brought ten janitors with fire extinguishers, just as the hero fainted in a crumpled heap on the floor."

"Bravo!" we shouted in chorus. "But did this really occur?" asked Diogenes. "Well, hardly," said Cad. "I went up this morning to inquire, and what really happened was this: someone dropped a match on the floor of the Check office, and Ball stepped on it and put it out. It makes a good story, alright, but if such a write-up appeared at Cadonia, the clever newspaper man would not long grace the halls of learning." "What would they do, though," asked Dick, "If the writer had already left those halls, and was no longer under the faculty's jurisdiction?" "I don't know," Cad admitted. "Down there we had enough of a pull with the papers, so that the work was always given to students. But I suppose it's different up here."

## "THE DOPESTER"

About time for the freshmen to be electing there baseball manager isn't it?

Poor Harvard! The following portion of a communication in the Harvard Crimson of Dec. 1, is very interesting: "It is not humiliating that in the meet with Technology, which most of our men entered under the handicap of physical disability, the paid coach of their opponents, after seeing his team to an overwhelming victory, gave, out of the kindness of his heart, counsel as to the well-being of the Harvard team, which he evidently pitied as being sheep without a shepherd."

Too bad we haven't a Jefferies-Johnson match around Tech. Look at the money the A. A. would get.

Hockey next.

Basket ball candidates are all showing up well and the "dope" is that we are going to have a better team this year than last.

News from Middletown, Conn., says that a track meet will be held there May 7, 1910, between Technology and Wesleyan.

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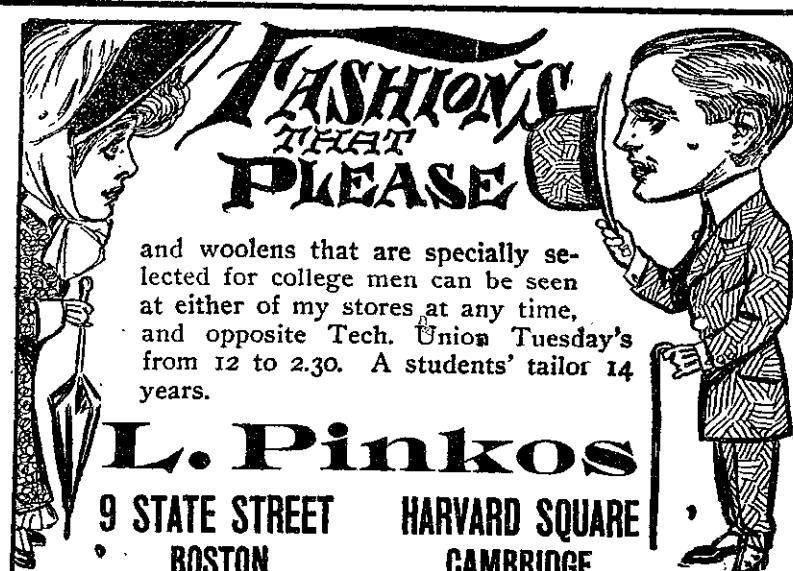
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## BIG SENIOR DINNER

(Continued from page 1.)  
an excellent school, yet at other places too, men are thoroughly trained. Finally, have respect for your employers. These may not be men who have had any scientific training, but they will surely be men of great experience and common sense. Many of the great inventors and great engineers had no systematic training whatever. Sir Henry Bessemer, the inventor of the Bessemer process of steel manufacture, succeeded in spite of the fact that the scientists of the time declared his process to be impossible, and many other instances of the same kind might be mentioned. So have regard and respect for your fellow workers, your employers, and for all those with whom you come in contact."

Prof. Porter was followed by Prof. H. P. Talbot. The head of the chemistry department assumed his well-known speaking attitude, and while he did not commence his talk with the usual lecture formula, yet his speech was conceded to be none the less instructive. Prof. Talbot's point was simply this:

Know when to kick, when to stick, and when to quit. Try always to earn a little more than you pay, and have reasonable patience with regard to your compensation. The important thing is to get employers who appreciate good work, and then the opportunity to do the best work of which you are capable.

Bursar Rand gave a talk which all declared to be the wisest, the most genial, and altogether the friendliest word which anyone had spoken to the class. He said in part:

"You are soon to graduate, and I hope and believe you will carry with you a new Tech spirit; a spirit which will grow stronger and stronger with

each succeeding class, until there will be among our alumni a loyalty beyond compare."

Never has there been such imperative need of clear-brained, large-minded men, men pre-eminently of the hour, and for the emergency; men who can show the results of the highest training, men who can respond to every opportunity. The doors of success are open to you, but wherever you go, remember the Institute! Keep in close touch with it, and help it as you have means. The ideal support of a college is that derived from its sons.

Finally, God help you, and keep you, and bring you health, happiness, and prosperity."

The dinner over, the men went to the Union entertainment in a body.

It was the general opinion that the Union had furnished both an excellent dinner and efficient service.

## NEW PROF. IN COURSE I

(Continued from page 1.)  
Frozen Seasons and special reports on the Hydrography of the White Mountains incorporated in the recent reports of the New Hampshire State Forestry Commission. At the present time he is preparing a special report for the U. S. Geological Survey on the Water Resources of the Penobscot River.

Mr. Barrows is a member of the American Society of Civil Engineers, of the Boston Society of Civil Engineers, New England Water Works Association, Society for the Promotion of Engineering Education, Technology Club and Boston City Club.

In the preliminary debates held at Chicago for membership on the two Varsity debate teams, the successful candidates receive scholarships worth tuition for two quarters.

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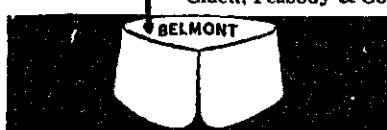
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#### GENERAL NOTICES.

Asst. Editors of The Tech meet in Tech office Saturday at 1.30 P. M.

Hereafter all notices on bulletin boards must conform to regular sizes as prescribed by the Institute Committee. All notices not conforming to this rule will be taken down. See specimen posters on boards for sizes, etc.

53, 57

Mr. W. H. Blood, Jr., Stone and Webster Corp., will address the Electrical Engineering Society on the subject "The Kind of Men Wanted as Electrical Engineers," Tuesday, Dec. 7. Meeting in the lower room of Union at 7.30.

The Point System Committee will consider suggestions regarding change in system made by authorized members of societies if received at P. O. Box 62, Back Bay Station before Tuesday, Dec. 7th.

1911.

1911 Dues may be paid to me at the Union between 1 and 2 every day.  
E. A. NASH, Treas.

1912.

Football team meet at Mareean, the photographer, 160 Tremont St., at 3.20 P. M. Wednesday, Dec. 11th. Bring football togs.

Members of the Wireless Society must pay dues to H. D. Kemp, or leave same at the Cage before December 10th to retain membership. Dues are one dollar.  
E. B. MOORE,  
President.

LOST.

A small black Moore's non-leakable fountain pen. Reward. See circulation manager The Tech.

#### ROWAN & CURRY

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TO LET.—One room, on bath room floor. Without meals. 10 Alcott St., Allston. 57

TO LET.—Two large, square rooms all modern improvements. Front and side rooms can be connected if desired. Mrs. Porter, 114 Pembroke St. 57

LOST.—Gray overcoat containing valuable photograph. M. S. Capon, Course XIII.

FOUND.—Behind water cooler, gray overcoat containing valuable photograph. Kid Derr Funstorm, Course XIII.

Undergraduates who take their meals at the University Dining Club at Missouri are fined for the use of profanity while at the table. The proceeds will finance a banquet later in the year.

Syracuse has a new publication issued by the alumni.

In a recent issue of the "American College," it is said that eastern institutions do not suffer through the growth of the large western universities. Illinois, Michigan, and Wisconsin are the only state universities that draw more than twenty per cent. of their undergraduates from states outside their own.

Desirable Rooms for students, furnished or unfurnished, open fires, private baths. Rooms at \$4.00 to \$10.00 per room. Five minutes' walk from the Institute. Apply Business Manager, The Tech.

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